

Industrial Fiberglass Specialties, Inc.

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**Bulletin and Technical Literature
 Order Form**

03-13-2012

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Industrial Fiberglass Specialties would be happy to send you more information on any topic you require! To order any of the following bulletins, complete the name/address portion below, select the bulletins you wish to receive and indicate quantities needed, and then fax this form to us. It's just that easy!

Name: _____

Title/Position: _____

Company: _____

Mailing Address: _____

City, State, Zip Code: _____

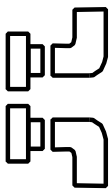
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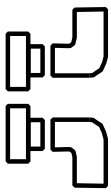
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 No, please mail hard copies.

Technical Bulletins:

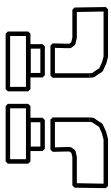
- 3 Types of FRP Composite Field Joints (2 pages)
- Abrasion Resistant FRP Pipe and Duct (2 pages)
- Abrasion Wear (3 pages)
- Advantages of Bell & Spigot Structural Adhesive Joints for Duct and Pipe, or Conductive Lined Duct - Indicate which version of the bulletin you desire (1 page each)
- Air Testing of FRP Composite Pipe (2 pages)
- American Petroleum Institute (API) Specification #12P Second Edition (1-1-1995) for Fiberglass Reinforced Plastic Tanks (22 pages)
- Approximate Volumes of Heads (1 page)
- Availability of Price Lists (2 pages)
- Benefits of Bell Mouth Nozzles (1 page)
- Benefits of EMSC (1 page)
- Bolts, Nuts and Washers (3 pages)
- Bulkhead (Tank) Fittings - Product Bulletin (3 pages) and Price List (1 page)



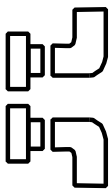
- _____ Bulletin Order Form (10 pages)
- _____ Burial Specifications - Fiberglass Pipe (12 pages)
- _____ Centralizers for Dual Containment Pipe (1 page)
- _____ Chemical Resistance of Series 9400 Phenol Novolac Epoxy Composites (1 page)
- _____ Clamshell Fittings (1 page)
- _____ Clamshell Pipe Drawing (1 page) & Clamshell Fitting Drawings (6 pages)
- _____ Classification of Chemical Service Environments - pH and Other Meaningless Terms (1 page)
- _____ Company Capability and Background Information (2 pages)
- _____ Complete list of Area Codes in the North American Numbering Plan (NANP) (10 pages)
- _____ Composite layer prevents burns (1 page)
- _____ Conductivity and FRP Composites (1 page)
- _____ Conversion Tables and Formulas (34 pages)
- _____ CorBan FRP Composite Pipe " A New Technology" - "Breakthrough" Lowers Cost and Improves Performance of FRP Composite Pipe for Water Service Environments(1 page)
- _____ CorBan - Series 7100 FRP Composite Pipe " A New Technology" - Major Polymer Breakthrough Lowers Cost and Improves Performance of FRP Composite Cooling Water Pipe (1 page)
- _____ Corrosion Recommendations for Sodium Hydroxide Environments - "Metals" (2 pages)
- _____ Corrosion Recommendations for Sodium Hydroxide Environments - "Plastics" (2 pages)
- _____ Corrosion Recommendations for Sodium Hypochlorite Service - "Metals" (1 page)
- _____ Corrosion Recommendations for Sodium Hypochlorite Service - "Plastics" (2 pages)
- _____ Dampers: Heavy Duty FRP Round Air Flow Control Devices (4 pages)
- _____ Definition of How We Price and Quote (2 pages)
- _____ Design Considerations for FRP Pipe Buried in Concrete - Thermal Expansion of FRP Composite Pipe When Encased in Concrete (1 page)
- _____ Design Steps for FRP Composite Duct (3 pages)
- _____ Designing FRP Composite Pipe and Supports as a System - Algor and FiberSystems Team Up to Provide End Users an Integrated Trouble-Free Installation of FRP Composite Pipe
- _____ Dimensional Standards for FRP Composite Pipe and Duct - Which Type of FRP Composite Pipe or Duct Should You Use?



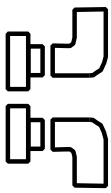
- _____ Dow Fabricating Tips (59 pages)
- _____ Drainage Fitting Drawings
- _____ Dual Laminate Construction for Furan FRP Composite Equipment - A Bad Idea (3 pages)
- _____ Duct Survey Form for FRP Composites (3 pages)
- _____ Duct Fitting Dimensions (4 pages)
- _____ Duct Fittings - Typical Configurations Available (5 pages)
- _____ Econo-Tuff FRP Composite Pipe - A New Technology for Cooling Water Pipe (1 page)
- _____ Econo-Tuff FRP Composite Pipe - A New Technology for Waste Water Treatment Pipe (1 page)
- _____ Educational Seminar Topics (2 pages)
- _____ Engineering, Manufacturing and Service Contract (EMSC) - The Way to Save! (2 pages)
- _____ End User List - FRP Pipe and Fittings (1 page)
- _____ Equipment Capabilities Table (2 pages)
- _____ Factory Manhours (1 page)
- _____ Factory Mutual Approval for FRP Duct versus the "Real World" (2 pages)
- _____ Feed Your Strengths & Starve Your Weaknesses - Peter Drucker article (1 page)
- _____ Fiber Reinforced Pultrusion (3 pages)
- _____ Field Service - The "Ins and Outs" (2 pages)
- _____ Field Service Policy (3 pages)
- _____ Field Service Procedures for Remedial Repair to FRP Composite Equipment - Procedures for Remedial Repair and Lining of Existing FRP Composite Equipment (11 pages)
- _____ Filament Wound FRP Composite Flange Price List (8 pages)
- _____ Fittings Catalog (111 pages)
- _____ Flange Spacers - FW FRP Fig. #15-S - Product Bulletin (1 page)
- _____ FRP Composite Flange Recommendations - When to use FRP Composite Flanges with O-Ring Style Gaskets (1 page)
- _____ FRP Composite Pipe for Systems Pipe Supports - How to Specify Filament Wound FRP Composite Pipe and Pipe Supports for a "Match" (3 pages)
- _____ FRP Composites for Subway and Transit Projects (1 page)



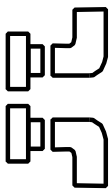
- _____ FRP Pipe Penetration Through Concrete Surfaces (1 page)
- _____ Furan Composites History & Capabilities (2 pages)
- _____ Furan Composites Overview (2 pages)
- _____ Furan Pipe and Fittings End User List (1 page)
- _____ Glossary of FRP Industry Terms (8 pages)
- _____ Gooseneck Vent Drawings (2 pages)
- _____ Grounding of FRP Conductive Duct (2 pages)
- _____ Guide Specification for FRP Pultruded Tubing (4 pages)
- _____ Guide Specifications - See Series listing (below) or specify resin type and corrosion liner thickness: _____
(number of pages varies - typically 7 to 8 pages)
- _____ Guidelines for Epoxy Vinyl Ester Resin Linings for Metal Tanks (5 pages)
- _____ How ESP Can Provide Your Customer Added Value - When "Delivery Yesterday" Is Still Not Soon Enough (1 page)
- _____ How Far Apart Do You Space Supports for Pipe and Duct? - Designing the Support System for FRP Composite Pipe and Duct and Other Piping Materials (3 pages)
- _____ How Important Is UV Resistance for Thermoset FRP Composites (2 pages)
- _____ How to Get Your Best Buy in Threaded FRP Fittings (2 pages)
- _____ Hydraulic Testing of FRP Composite Pipe (1 page)
- _____ Hydrostatic Testing Guideline (4 pages)
- _____ I-1 Pipe Shaver General Information (1 page) and Price List (1-2 pages)
- _____ Isometric Spool Drawing Examples (10 pages)
- _____ IRC Reactor Specification Form (9 pages)
- _____ Kwik-Lock Locking Bell & Spigot FRP Pipe Joints Product Bulletin (3 pages)
- _____ Laminate Construction - FW FRP Composite Pipe (1 page)
- _____ Line Card for each "sister" company (1 page each):
 - _____ Industrial Fiberglass Specialties, Inc.
 - _____ FiberSystems
 - _____ Pipe Supports, Inc.
 - _____ Response Metal Fabricators, Inc.



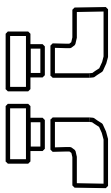
- _____ International Reactor Corp.
- _____ Response Piping Systems
- _____ Science/Electronics
- _____ Earth and Atmospheric Sciences, Inc.
- _____ Lined versus Unlined FW FRP Composite Pipe (3 pages)
- _____ M-74 Pipe Shaver and T-16 and T-20/36 Pipe Shavers Deposit/Rental Price List (1 page)
- _____ Machine Shop Capability (2 pages)
- _____ Magic Rollers & Handles - Product Sheet (1 pages)
- _____ Markets for Corrosion Resistant FRP Composite Equipment (4 pages)
- _____ Markets for FRP Composites (2 pages)
- _____ Maximum Support Spacings - Series 7160 FRP Composite Pipe (3 pages)
- _____ Microbes Versus FRP Composites (2 pages)
- _____ Obtaining Your Best Buy In Corrosion Resistant Equipment - A Check List For Mission Critical Projects (9 pages)
- _____ Our "Team" of Companies (2 pages)
- _____ Our Terms & the Cost of Capital (2 pages)
- _____ Outselling the Competition in Today's Marketplace (2 pages)
- _____ Performance of "Gunk" Molded Fittings versus Filament Wound Composite Fittings - Test Report Bulletin (2 pages)
- _____ Pipe and Duct Sizes - Increased Capability (Mandrel Listing) (2 pages)
- _____ Pipe Specification Form (4 pages)
- _____ Pipe Supports, Inc. Support Span Tables for Series 5000 and Series 9500 FRP Composite Pipe (4 pages)
- _____ Poisson's Ratio - A Design "Factor" for FRP Composite Pipe & Duct (1 page)
- _____ Pressure Ratings for Victaulic Adapters (2 pages)
- _____ Preventative Maintenance Inspection Method for FRP Composite Equipment (2 pages)
- _____ Product Bulletins - See Series listing (below) or specify resin type and corrosion liner Thickness: _____
(4 pages)
- _____ Qualification of Industrial Fiberglass Specialties' Capabilities - Questions & Answers (10 pages)



- _____ Quality Assurance Manual (81 pages)
- _____ Quotations for Field Service (1 page)
- _____ Requirements for Field Repair of FRP Composites (2 pages)
- _____ Resins for FRP Composites (5 pages)
- _____ Resource Analysis of Industrial Fiberglass Specialties (7 pages)
- _____ Return and Restocking Policy (3 pages)
- _____ RMF Line Card and Fabrication Shop Capabilities bulletin (2 pages)
- _____ Sealing of FRP Flanges Against Raised Face Steel Flanges (3 pages)
- _____ Seminar/Workshop Case Histories (2 pages)
- _____ Series Descriptions - FRP Composite Pipe (10 pages)
- _____ Service Life of FRP Composites versus Stainless and Alloys - How Long Will it Last?
(2 pages)
- _____ Scrubber Data Sheet (2 pages)
- _____ SMACNA Safe Handling of Fiberglass Reinforced Plastic (FRP) (8 pages)
- _____ SMACNA Thermoset FRP Duct Construction Manual, Chapter 6 - Design of
Rectangular Duct (28 pages)
- _____ Small Diameter FW FRP Fittings - Price List (4 pages)
- _____ Small Diameter FW FRP Composite Pipe - Price List (2 pages)
- _____ Smoke and Fiberglass Reinforced Plastic Composites - Where There Is Fire, There Is
Smoke (7 pages)
- _____ Sodium Hypochlorite Chemical Service Environment (3 pages)
- _____ Specifying FRP Composite Pipe for Your Best Buy - How to Design, Specify and
Purchase Abrasion Resistant FRP Composite Pipe to Achieve Maximum Service Life -
The Five Factors to be Considered (4 pages)
- _____ Spectacle Flanges - Drawing (1 page)
- _____ Split Conduit System - Immediate Instant Repair (1 page)
- _____ Stack Survey Form - FRP Composite (4 pages)
- _____ Standard Terms and Conditions (2 pages)
- _____ Steam Condensate - Guide (6 pages)
- _____ Structural Adhesives - Selection of the Best Adhesive for Your Pipe or Ducting Project
(1 page)



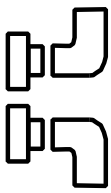
- _____ Subaqueous Experience - Fiberglass Piping (4 pages)
- _____ Sulfuric Acid versus FRP Composites (2 pages)
- _____ Support Span Table For Series 5000 or Series 9500 (4 pages)
- _____ Tank Capacity Table (1 page)
- _____ Tank Engineering Manual (122 pages)
- _____ Tank Specification/Quotation Worksheet (6 pages)
- _____ Tanks - Obtaining Your "Best Buy" in FRP Tanks - for end users (13 pages)
- _____ Tanks - The Competitive Edge - for resellers (13 pages)
- _____ The Benefits of FRP Composite Pipe versus HDPE Pipe (3 pages)
- _____ The Benefits of FRP Composite Pipe versus Polypropylene Pipe (3 pages)
- _____ The Benefits of FRP Composites (1 page)
- _____ The Benefits of FRP Composites versus PVC (2 pages)
- _____ The Markets for Composite Stealth UAVs - Potential Customers and Applications for Delta Wing FRP Composite Stealth UAVs (3 pages)
- _____ The "Sun" Versus FRP Composites - UV Resistance of FRP Composite Architectural Products (3 pages)
- _____ The True Meaning of "World Class" - A Definition (1 page)
- _____ Thermal Expansion and Contraction of FRP Composite Pipe (6 pages)
- _____ Threaded Fitting Catalog & Price List (10 pages)
- _____ Tips for Making FRP Composite Structural Adhesive Joints (2 pages)
- _____ Typical FRP Composite Threaded Fittings - Photo (1 page)
- _____ Union Affiliations - When You Need a Union Label or Union Installation (5 pages)
- _____ Vehicle Summary (1 page)
- _____ Velocity as a Consideration in Abrasion Resistant Pipe - Controlling Pipe Flow Velocity to Reduce Abrasion Wear (2 pages)
- _____ Warranty (1 page)
- _____ What a Difference 38 Miles Can Make! (6 pages)
- _____ What do Resin Manufacturers' Corrosion Tables Tell Us? (8 pages)
- _____ What Does It Cost? - For Fume Duct & Stacks (6 pages)
- _____ What does it cost to...? The Pricing of Factory Pre-Assembled Isometric Spools (1 page)



- _____ What does it "really" cost? ...Buying on the basis of lowest cost per year of service life (1 page)
- _____ When To Use FRP Composite Dual Laminate Construction (2 pages)
- _____ When to Use Heavy Duty Hubless Flanges (2 pages)
- _____ Which is the Strongest Joint for FRP Composite Pipe - Comparison of Bonded Bell and Spigot Structural Adhesive Weld Joint and Butt Overlay Weld Joints (5 pages)
- _____ Which Type of Joint Has The Smallest Gap (2 pages)
- _____ Who Are Our Competitors? - for Representatives (5 pages)
- _____ Who Are We? - People Resources Table (2 pages)
- _____ Why Fluid Hammer is Important When Designing Piping Systems (4 pages)
- _____ Why Filament Wound Fittings and Flanges? (2 pages)
- _____ Why are our prices high? Or, how to interpret bids - Is the "low price" your best buy? (4 pages)

Case Histories:

- _____ High Temperature Sump Cover H-20 Loading (2 pages)
- _____ Industrial Fiberglass "Covers" Energy Infrastructure - Innovative Product Provides Safe Alternative For Energy Infrastructure Company (2 pages)
- _____ Fiber-Arch - Saves Your city Money on Drainage Projects - Florida City Saves \$31,000, Call Us to Find Out How Much Money Your City Will Save (1 page)
- _____ FRP Chain Guards - Another *Specialty* to Help Increase Your Sales (1 page)
- _____ FRP Composite "Parts Tubs" - Industrial Fiberglass Specialties Helps Truck Manufacturer to Organize Their Engine Assembly (2 pages)
- _____ FRP Composites Keep You From Getting Burned - FRP Hybrid Steam Manhole Cover Increases Strength While Preventing Burns To Pedestrians & Animals (2 pages)
- _____ FRP Composites for Chlorine Service - How Dow beats Corrosion at Chlor Alkali Plants (2 pages)
- _____ Industrial Fiberglass Specialties "Armors" Stainless Steel Pipe - Innovative Armored Product Provides for Fail Safe Solution at Nuclear Munitions Conversion Plant (2 pages)
- _____ Pioneering of FRP Composite UAVs (2 pages)
- _____ Precision FRP Composite Tubes - FRP Composite Cooling Sleeves Keep Electric Motors from "Burning Out" (2 pages)



_____ We Help the U.S. Navy's Submarines with a New Role - FRP Composite Missile Launcher Keeps the U.S. Navy's Submarines "Current" (2 pages)

_____ Industrial Fiberglass Specialties "Armors" Steel Pipe - Rush Production of Unique "Solution" Keeps Los Alamos Lab in Business (2 pages)

CD's and Videos:

_____ Ashland Hetron and Aropol Resins - CD

_____ Dow Composite Resins - CD

_____ Reichhold "Engineers' Guide to FRP Technology" - CD

_____ SMACNA Thermoset FRP Duct Construction Manual - CD

_____ Society of Manufacturing Engineers Video (27 minutes) - available for lending only

Guide Specifications:

_____ 300# Flanges Guide Specification Series 5000 Composite Pipe

_____ Guide Specification for Fiber Reinforced Plastic Composite Pultruded Shapes

_____ Guide Specification for Glass Flake Lining of Metal Tanks

Corrosion Guides:

_____ AOC's Viprel Corrosion Resin Cross Reference (1 page)

_____ AOC's Viprel Corrosion Resistant Resin Product Selection Guide (6 pages)

_____ Ashland Chemical's Hetron and Aropol Resin Selection Guide - 2000 Edition (60 pages)

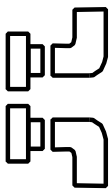
_____ Dow Chemical's DERA-KANE Epoxy Vinyloxy Resins - Chemical Resistance Guide - 2002 Edition (70 pages)

_____ Industrial Fiberglass Specialties' Corrosion Guide for Series 2000/4000 Epoxy Pipe & Duct (13 pages)

_____ Industrial Fiberglass Specialties' Corrosion Guide for Series 5800/9800 Furan Pipe & Duct (23 pages)

_____ Industrial Fiberglass Specialties' Corrosion Guide for Series 9400 Phenol Novolac Epoxy Pipe & Duct (19 pages)

_____ Reichhold's Atlat & Dion - Corrosion Resins Selection & Design Guide (45 pages)

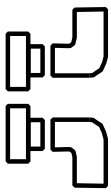


Joining and Installation Information:

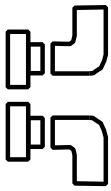
- _____ Ashland Chemical Joining and Repair Procedures for Hetron and Aropol Resin Based FRP Equipment (8 pages)
- _____ Bonding Procedure Specification (BPS) - Butt & Wrap Welding Procedure (9 pages)
- _____ Bondstrand Engineering Guide for Suspended Pipe (26 pages)
- _____ Bondstrand Guide for Installing Suspended Pipe (4 pages)
- _____ Butt Overlay Weld Labor Estimates (1 page)
- _____ Field Butt & Strap Weld Kit - Contents (1 page)
- _____ Field Butt Welding Instructions (3 pages)
- _____ Field Weld Instructions for Bulk Vinylester Adhesive - Field Adhesive Weld Instructions for Bonding FRP Equipment (3 pages)
- _____ Furan Field Adhesive Weld Instructions (4 pages)
- _____ Installation Guide, Including Handling and Storage (12 pages)
- _____ Joint Drawings, Typical (12 pages)
- _____ Joints - Estimated Labor Hours - Butt Welds or Adhesive Welds (1 page each)
- _____ Number of Field Adhesive Weld Joints per 8 oz. Kit (1 page)
- _____ Repair/Maintenance Coupling Assembly Instructions (2 pages)
- _____ Saddle Installation Instructions (1 page)
- _____ "Steps" to Successful FRP Threaded Joints (1 page)

Magazine/Newspaper Article Reprints:

- _____ A Bit of Extra Lab Effort Can Prevent Grief During Scale-up: The key is persuading the chemist to undertake a little extra data collection - Chemical Engineering Magazine Article Reprint (4 pages)
- _____ Back On His Feet - Cincinnati Enquirer (3 pages)
- _____ "Buying Right" Or "Buying Cheap" - Pumps & Systems Magazine Article Reprint (3 pages)
- _____ Composite layer prevents burns - AOC bulletin (1 page)
- _____ Consider the Environment Before Designing and Specifying Piping Systems - Plumbing Systems & Design Magazine article Reprint (4 pages)



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- _____ Controlling Cavitation: How a Deeper Understanding Improves the Solution - Valve Magazine (6 pages)
-
- _____ Derakane Works in Municipal Wastewater Treatment Applications - Dow (3 pages)
-
- _____ Designing fiberglass tanks for earthquake conditions (4 pages)
-
- _____ Don't Overlook Composite FRP Pipe - Chemical Engineering Magazine (7 pages)
-
- _____ Divers Use Sliplining For Underwater Siphon Repairs - Underground Construction Magazine Article Reprint (3 pages)
-
- _____ Don't Overlook Composite FRP Pipe - Chemical Engineering Magazine Reprint (7 pages)
-
- _____ Facing the Challenge of Mixing Problem Fluids - Chemical Engineering Magazine Article Reprint (8 pages)
-
- _____ Fiber Reinforced Plastics (FRP) Materials For Air-Pollution Control Applications in Coal-Fired Power Plants (12 pages)
-
- _____ Fiberglass Pipe's Fringe Benefit - Magazine Reprint (4 pages)
-
- _____ Fiberglass Plastics in Power Plants - Power Engineering Magazine Article Reprint (2 pages)
-
- _____ Fiberglass Reinforced Plastics for Corrosion Resistance - Chemical Engineering Magazine Reprint (6 pages)
-
- _____ GRP Pipe: Custom or Commodity? - Reinforced Plastics Magazine Article Reprint (3 pages)
-
- _____ Increase Pipe Size To Lower Energy Cost - Pumps & Systems (Pump-Zone.com) Article Reprint (2 pages)
-
- _____ Manhole Cover Articles - Various publications (7 pages)
-
- _____ Philadelphia Divers Slipline To Keep Big Siphon In Service - ENR Magazine Article Reprint (1 page)
-
- _____ Pitfalls of Pump Piping - Ross Mackay Associates (3 pages)
-
- _____ Power Plant Primer - Power Engineering Magazine (17 pages)
-
- _____ Practical Guidelines For Selecting Quality Fabricators of FRP Tanks and Pipe - Composites Institute Article Reprint (4 pages)
-
- _____ Pump Life Cycle Costs: An Introduction to LCC Analysis - Pumps and Processes Magazines Article Reprint (6 pages)
-
- _____ Questioning Cavitation: Reader Struggles to Identify Cause of Pump Wear Band Damage - Flow Control Magazine Article Reprint (2 pages)



- _____ Sliplining Composite Pipe Made With Hetron Resin Keeps Wastewater Siphons Flowing - Hetron News Article Reprint (2 pages)
- _____ Stress-Corrosion Cracking: A Basic Survey - Maintenance Technology Magazine Article Reprint (5 pages)
- _____ Tackling Cavitation Erosion with Polyamide-11 Powder Coatings - Pumps & Systems (Pump-Zone.com) Article Reprint (4 pages)
- _____ The ASME Standard for Fiberglass Reinforced Plastic Vessels is Adopted into Delaware Code - Materials Performance Magazine Article Reprint (4 pages)
- _____ The Next Generation - Flue Gas Desulfurization: A re-emerging technology for controlling SO₂ emissions at power plants - www.EPonline.com Article Reprint (7 pages)
- _____ The Pitfalls of Pump Piping... - Pumps & Systems (Pump-Zone.com) Article Reprint (5 pages)
- _____ Using Predictive Maintenance Tools to Catch Pump Cavitation - Pumps and Processes Magazine Article Reprint (2 pages)
- _____ Venturing into the Pipe - Constructioner Magazine Article Reprint (3 pages)
- _____ "Vinyl Esters Lead the Corrosion Challenge" - Reinforced Plastics Magazine Article Reprint (4 pages)
- _____ W. H. Streit Completes Philadelphia Sewer Pipe Repair - Utility and Transportation Contractor Magazine Article Reprint (1 page)

White Papers:

- _____ Conceptual Design, Optimization, Development, and Prototype Evaluation of Composite Reinforced Wood Railroad Crossties (9 pages)
- _____ Emergence of Fiberglass Pipe as a Proven Commercial Marine Technology - The Society of Naval Architects and Marine Engineers (18 pages)
- _____ FRP Composite Flue Gas Stack Liners (4 pages)
- _____ Reichhold Chemical's Application Guide - ATLAC and DION Corrosion Resins for Power Generation Applications (22 pages)